INDEX TO VOLUME 31

AUTHORS INDEX

In the index, following the author's name the title of the subject is given as it appeared in the JOURNAL.

A

ABBOTT, D. B. (*See* HEGSTED, TSONGAS, ABBOTT, AND STARE), 261

ABRAMSON, DAVID I., AND SHUMACKER, HARRIS B., JR. Sequelae of trench foot and their treatment by lumbar sympathectomy, 479

ADAMS, MARGARET A., AND BALLOU, ALICE N. A comparison between the values for plasma or serum protein as obtained by the specific gravity and the micro-Kjeldahl methods, 507

ALFORD, WILLIAM C. (*See* SVIRBELY, MONACO, AND ALFORD), 1133

ALT, HOWARD L. (*See* FARNSWORTH, SPEER, AND ALT), 1025

ALVING, ALF S. (*See* LANDOWNE AND ALVING), 453

APPELBAUM, EMANUEL. (*See* HARRIS, BUXBAUM, AND APPELBAUM), 1113

AUSTIN, R. S. (*See* VILTER, BLANKENHORN, AUSTIN, AND SCHEINKER), 490

B

BAILEY, HERBERT A., DUMAS, L. W., AND LACKEY, ROBERT W. The relation of physiologic variables to circulation time, 584

BALL, ERIC G. (*See* RODKEY AND BALL), 354

BALLOU, ALICE N. (*See* ADAMS AND BALLOU), 507

BANFI, R. F. (*See* TANTURI AND BANFI), 703

BARMAN, J. M., AND PORCILE, E. A simple method for assuring accuracy in determination of oxygen consumption by the Benedict-Roth apparatus, 1254

BARNARD, ROBERT D. The effect of glycerophosphate on blood coagulation and on blood clot retraction, 1249

BARNES, ALLAN C. Chromogenic reactions to the halogenation of pregnancy urine, 1240

BARODDY, BAHIJ J. Modification of the Faust method in the detection of cysts and ova, 1372

— AND MOST, HARRY. The relative efficiency of water centrifugal sedimentation and other methods of stool examination for diagnosis of schistosomiasis japonica, 815

BAYLISS, MILWARD. (*See* LINDBERG, COYLE, RICH, AND BAYLISS), 544

BECKER, FREDERIC T. (*See* KAPLAN, READ, AND BECKER), 400, 735

—. (*See* KAPLAN, READ, BECKER, AND SEYMOUR), 317

BENOTTI, JOSEPH, ROSENBERG, LILLIAN, AND DEWEY, BARBARA. Modification of the Gutman and Gutman method of estimating "acid" phosphatase activity, 357

BERGMAN, H. C., AND PRINZMETAL, MYRON. The antishock action of certain drugs in burned mice, 663

— AND —. The antishock action of ethanol in burned mice, 654

BEYER, KARL H., RUSSO, HORACE F., PATCH, ELIZABETH A., PETERS, LAWRENCE, AND SPRAGUE, KENNETH L. The formation and excretion of acetylated sulfonamides, 65

BIERBAUM, OLGA S. (*See* REINHARD, MOORE, BIERBAUM, AND MOORE), 107

BIRCH, CARROLL L. (*See* LIMARZI, PONCHER, AND BIRCH), 777

BISSELL, H. D. (*See* CARLSON, MUELLER, AND BISSELL), 677

BLANKENHORN, M. A. (*See* THOMPSON AND BLANKENHORN), 462

—. (*See* VILTER, BLANKENHORN, AUSTIN, AND SCHEINKER), 490

BLEVINS, ANNE. (*See* MACNEAL, FILAK, AND BLEVINS), 974

BOHR, DAVID F. Erythrocyte fragility in acute infectious hepatitis, 1179

BOLLMAN, JESSE L., AND FLOCK, EUNICE V. Phospholipids of liver and blood studies with radioactive phosphorus, 478

BOURKE, ANNE R. (*See* SAWYER AND BOURKE), 714

BOYD, LINN J. (*See* MCGAVACK, ELIAS, AND BOYD), 560

BOYD, MARK F. (*See* KAPLAN, READ, AND BECKER), 400

BOYNTON, MARY HEISS. The use of the copper sulfate method of hemoglobin estimation for screening blood donors, 40

BRADBURY, JAMES T. A simplified method for the estimation of sodium, 1257

BRIGGS, A. P. Some observations on severe diabetic ketosis treated with glucose and insulin, 1244

Brougher, Cooper, Cameron, George M., Buchanan, Rufus, and Roark, Kent. The quantitative Kahn test: results with 2.5 per cent and 0.9 per cent salt solution compared with the degree of reactions of the standard Kahn test, 1378

Brousseau, D. (*See* Mayer, Hays, Brousseau, Mathieson, Rennick, and Yonkman), 749

Brown, Barker H. A detailed report on the weights and weight losses of twenty-four men in Santo Tomas Internment Camp, 1129

Buchanan, Rufus. (*See* Brougher, Cameron, Buchanan, and Roark), 1378

Bukantz, S. C., Rein, C. R., and Kent, J. F. (with the technical assistance of Goodman, Rebecca). Studies in complement fixation. II. Preservation of sheep's blood in citrate dextrose mixtures (modified Alsever's solution) for use in the complement fixation reaction, 394

Buxbaum, Lillian. (*See* Harris, Buxbaum, and Appelbaum), 1113

C

Cameron, George M. (*See* Brougher, Cameron, Buchanan, and Roark), 1378

— and Castles, Ruth. Detection of tubercle bacilli in sputum; application of the NaOH-alum method, the clorox method, and the direct smear, 361

Cardone, Eugene. The elimination of human reaction-producing material from horse-derived antiserums: an electrical method, 829

Carey, T. Nelson. (*See* Figge, Carey, and Weiland), 752

Carlson, H. J., Mueller, M. G., and Bissell, H. D. Colorimetric diagnostic test for malaria, 677

Carmichael, Emmett B., McBurney, Ralph, and Cason, Louise Rickeman. A trap with holder for handling vicious laboratory animals such as wild rats, 365

Carr, Edward A., Jr. A rapid bedside test for the detection of hypoglycemia, 1267

Cartwright, George E., and Wintrobe, Maxwell M. Hematologic survey of repatriated American military personnel, 886

—, —, and Humphreys, S. Production of anemia in a pig which responded to purified liver extract, 423

Cason, Louise Rickeman. (*See* Carmichael, McBurney, and Cason), 365

Castles, Ruth. (*See* Cameron and Castles), 361

Chambers, M. C. (*See* Forgacs, Kornegay, and Henley), 514, 523

Chaney, L. L. (*See* Forgacs and Kucera), 1355

Chenoweth, Maynard B., and Koelle, Ethol Shiels. An isolated heart perfusion system adapted to the determination of nongaseous metabolites, 600

Chesner, Charles. Hemochromatosis. Review of literature and presentation of a case without pigmentation or diabetes, 1029

Chilton, Martha L., and Fulton, MacDonald. A presumptive medium for differentiating paracolon from Salmonella cultures, 824

Christensen, Halvor N. Applicability of the biuret reaction to the determination of serum albumin by methanol precipitation, 916

Chu, Wei-Chang. Miscellaneous pharmacologic actions of citrinin, 72

Claar, Nancy. (*See* Streicher, Grenci, and Claar), 459

Clausen, F. W., and Jager, B. V. The relation of the plasma salicylate level to the degree of hypoprothrombinemia, 428

Cohnberg, Rosellen E. Stimulation of the central nervous system by curare (intocostrin), 866

Cole, Versa V., and Hulpieu, H. R. A method for determining the relative anticonvulsive activity of barbiturates, 242

Collins, L. A. (*See* Forgacs, Kornegay, and Henley), 514, 523

Comfort, Mandred W. (*See* Wollaeger, Comfort, Weir, and Osterberg), 496

Conner, James F., and Reynolds, Frank W. The two-dose dextrose tolerance test in the diagnosis of diabetes mellitus, 1121

Conway, Helen. (*See* Kent, John F.), 1270

Cook, C. D., and Hoffbauer, F. W. Liver functional impairment in therapeutic malaria with particular reference to the unsuccessful use of methionine as a protective agent, 56

Coombs, F. S., Jr. (*See* Warren, Higley, and Coombs), 485

Corper, H. J. Fundamental information on the mechanism of specific tuberculoimmunity, 346

— and Stoner, R. E. An improved procedure for the diagnostic culture of mammalian tubercle bacilli, 1364

Coscia, James. (*See* Tisdall, Garland, and Wiener), 437

COYLE, FRANCIS R. (*See* LINDBERG, COYLE, RICH, AND BAYLISS), 544

CROFT, CHARLES C., AND SMITH, LUCIA L. Preservatives for syphilitic serum with special reference to the use of merthiolate, 1101

CURTIS, GEORGE M. (*See* PUPPEL, LEBLOND, RILEY, AND CURTIS), 484

— AND MOVITZ, DAVID. The significance of the accessory spleen, 464

D

DAMON, SAMUEL R. (*See* JOHNSON AND DAMON), 550

DAVIDSON, CHARLES S. (*See* KELLY, LEWIS, AND DAVIDSON), 1045

—. (*See* LEY, LEWIS, AND DAVIDSON), 910

—, WILCKE, HAROLD L., AND REINER, PHILIP J. A nutritional survey of starvation in a group of young men, 721

DAVISON, ROLAND A. (*See* KUZELL AND DAVISON), 1223

DEWEY, BARBARA. (*See* BENOTTI, ROSENBERG, AND DEWEY), 357

DEY, F. L., GILBERT, M. C., TRUMP, RUTH, AND ROSKELLEY, R. C. Reflex shortening of the esophagus in the experimental animal with the production of esophageal hiatus hernia, 499

—, —, ROSKELLEY, R. C., AND TRUMP, RUTH. Effect of stimuli originating in the upper abdomen in the causation of reflex shortening of the esophagus, 457

DICK, GEORGE F. (*See* STEVENS AND DICK), 1251

DOAN, CHARLES A. (*See* WILSON, SASLAW, AND DOAN), 631

DOBYNS, BROWN, M., AND HAINES, S. F. Changes in the prominence of the eyes in various thyroid states, 483

DORFMAN, R. I. (*See* SHIPLEY AND DORFMAN), 481

DOWLING, HARRY F. (*See* HIRSH, HICKMAN, SWEET, AND DOWLING), 1305

DUBACH, REUBENIA, MOORE, CARL V., AND MINNICH, VIRGINIA. Studies in iron transportation and metabolism. V. Utilization of intravenously injected radioactive iron for hemoglobin synthesis, and an evaluation of the radioactive iron method for studying iron absorption, 1201

DUMAS, L. W. (*See* BAILEY, DUMAS, AND LACKEY), 584

DUMM, ROBERT M., AND SHIPLEY, REGINALD A. The simple estimation of blood ketones in diabetic acidosis, 1162

DYNIEWICZ, HATTIE A. (*See* HOFFMAN AND DYNIEWICZ), 497

E

EICHELBERGER, LILLIAN, AND ROMA, MICHAEL. An unusual case of generalized anasarca appearing in an impounded dog with cirrhosis of the liver, 785

ELFTMAN, HERBERT. (*See* ZWEMER AND ELFTMAN), 333

ELIAS, HERBERT. (*See* HARRIS, MCGAVACK, AND ELIAS), 1148

—. (*See* MCGAVACK, ELIAS, AND BOYD), 560

ELLERBROOK, LESTER D. (*See* LIPPINCOTT, MARBLE, ELLERBROOK, HESSELBROCK, ENGSTROM, AND GORDON), 991

ELLIOTT, JUDITH, AND PEARSON, P. B. A direct photoelectric method for the determination of serum calcium, 1262

ENGEL, GEORGE L., FERRIS, EUGENE, B., STEVENS, CHARLES D., LOGAN, MYRTLE, AND WEBB, JOSEPH P. The syndrome of hyperventilation, 474

ENGLISH, ANN. (*See* FROMMEYER, SPIES, VILTER, AND ENGLISH), 643

ENGSTROM, WILLIAM W. (*See* LIPPINCOTT, MARBLE, ELLERBROOK, HESSELBROCK, ENGSTROM, AND GORDON), 991

EVERETT, G. M. (*See* RICHARDS AND EVERETT), 1330

F

FARNSWORTH, EDITH, SPEER, EVANS, AND ALT, HOWARD L. The quantitative determination of a pepsin-like substance in the urine of normal individuals and of patients with pernicious anemia, 1025

FAVORITE, GRANT O., AND MORGAN, HERBERT R. Therapeutic induction of fever and leucocytosis using a purified typhoid pyrogen, 672

FEFFER, HENRY L. (*See* HIRSH, FEFFER, AND O'NEIL), 535

FERRIS, EUGENE B. (*See* ENGEL, FERRIS, STEVENS, LOGAN, AND WEBB), 474

FIGGE, FRANK H. J., CAREY, T. NELSON, AND WEILAND, GLENN S. Studies on the toxicity of sulfonamide drugs. I. Porphyrin-excretion by a patient treated with sulfadiazine and later with sulfanilamide, 752

FILAK, LOUISE. (*See* MACNEAL, FILAK, AND BLEVINS), 974

FINKELSTEIN, M. B., AND SMYTH, CHARLEY J. A comparative study of mercuhydrin and mercupurin, oral and parenteral, 454

FINLAND, MAXWELL. (*See* MEADS AND FINLAND), 900

—. (*See* ORY, HARRIS, MEADS, WILCOX, AND FINLAND), 409

FITZPATRICK, FLORENCE K. Studies on cultivation of richettsiae in eggs, 45

FLINK, EDMUND B. Blood transfusion studies. I. The differentiation of hemolytic and nonhemolytic transfusion reactions, 1067

— AND SKUBI, K. B. Blood transfusion studies. II. The survival of fresh and stored transfused erythrocytes as determined by urobilinogen excretion, 1074

FLOCK, EUNICE V. (*See* BOLLMAN AND FLOCK), 478

FLORESTANO, H. J., AND KENNEDY, J. F. Observations on the activity in vitro of succinyl-sulfathiazole and phthalylsulfathiazole, 757

FORGACS, J. (*See* KORNEGAY, FORGACS, AND HENLEY), 523

— AND KUCERA, J. L. (with the technical assistance of PANNIER, W. L., AND CHANEY, L. L.). Studies in streptomycin. III. Microtechniques for assay, 1355

—, KORNEGAY, G. B., AND HENLEY, T. F. (with the technical assistance of REDMON, C. F., COLLINS, L. A., AND CHAMBERS, M. C.). Studies on streptomycin. I. Assay in body fluids, 514

FREEMAN, SMITH, RHOADS, PAUL S., AND YAEGER, LEONA B. Toxic manifestations following large doses of ertron, 480

FRIEDLAENDER, ALEX S., AND FRIEDLAENDER, SIDNEY. Pyribenzamine in hay fever and other allergic disorders, 1350

FRIEDLAENDER, SIDNEY. (*See* FRIEDLAENDER AND FRIEDLAENDER), 1350

FROMMEYER, WALTER B., JR., SPIES, TOM D., VILTER, CARL F., AND ENGLISH, ANN. Further observations on the antianemic properties of 5-methyl uracil, 643

FULTON, MACDONALD. (*See* CHILTON AND FULTON), 824

G

GAMBILL, EARL E. (*See* STOKES, GAMBILL, AND OSTERBERG), 924

GARLAND, DONALD M. (*See* TISDALL, GARLAND, AND WIENER), 437

GERSHBERG, HERBERT. Observations on capillary and venous blood in traumatic shock, 381

GILBERT, ALBERT J., AND SEIFTER, JOSEPH. A note on the unsuitability of guinea pig jejunum for study by the Magnus method, 372

GILBERT, N. C. (*See* DEY, GILBERT, ROSKELLEY, AND TRUMP), 457

—. (*See* DEY, GILBERT, TRUMP, AND ROSKELLEY), 499

GINZLER, ARTHUR M. (*See* TATUM AND GINZLER), 799

GLACH, JOHN. (*See* TISDALL, GARLAND, AND WIENER), 437

GLASER, ROBERT J., SMITH, RALPH O., HARFORD, CARL G., AND WOOD, W. BERRY, JR. The treatment of bacterial endocarditis with penicillin, 291

GOETCHIUS, G. R., AND LAWRENCE, C. A. Further studies on the antibacterial action of 3′,5′-dibromosulfanilanilide, 336

GOETSCH, ANNE TOMPKINS, MOORE, CARL V., AND MINNICH, VIRGINIA. Observations on the effect of massive doses of iron given intravenously to patients with hypochromic anemia, 466

GOETZE, HARTMANN. (*See* MACQUIDDY, PINKERTON, GOETZE, AND OBERST), 763

GOGINS, A. (*See* WESTON AND KAREL), 1227

GOLDBAUM, LEO R. (*See* JAILER AND GOLDBAUM), 1344

GOLDSMITH, GRACE A. The treatment of macrocytic anemia with Lactobacillus casei factor (pteroylglutamic acid), 1186

GOLDSTEIN, NORMAN P., JACOBSON, MARSHALL, TELFORD, IRA R., AND ROE, JOSEPH H. Studies of pancreatic function. III. The effect of ligation of the pancreatic ducts upon the amylase and lipidase content of the blood, 999

GOODMAN, REBECCA. (*See* BUKANTZ, REIN, AND KENT), 394

—. (*See* KENT, JOHN F.), 1270

GORDON, H. H. (*See* LIPPINCOTT, MARBLE, ELLERBROOK, HESSELBROCK, ENGSTROM, AND GORDON), 991

GRENCI, CATHERINE. (*See* STREICHER, GRENCI, AND CLAAR), 459

GROSS, IRMA H. (*See* VESELL, GROSS, AND SUSSMAN), 444

GRUENSTEIN, MARGOT. (*See* SHAY AND GRUENSTEIN), 1384

GUTMANN, MARTIN, TROCKMAN, RICHARD, AND IVY, A. C. The concentration of streptomycin in dog bile, 1313

H

HABERMAN, SOL. (*See* HILL AND HABERMAN), 1053

HAINES, S. F. (*See* DOBYNS AND HAINES), 483

HAMBURGER, MORTON, JR. The detection of dangerous carriers of hemolytic streptococci by the measurement of their "streptococcal output," 460

HARDIN, ROBERT. Reactions from universal donor blood, 472

HARFORD, CARL G. (*See* GLASER, SMITH, HARFORD, AND WOOD), 291

—, SMITH, MARY RUTH, AND WOOD, W. BARRY, JR. The effect of superimposed bacterial pneumonia on the severity of sublethal infection with influenza virus, 463

HARRIS, H. WILLIAM. (*See* ORY, HARRIS, MEADS, WILCOX, AND FINLAND), 409

HARRIS, RAYMOND, MCGAVACK, THOMAS HODGE, AND ELIAS, HERBERT. The nature of the action of dimethylaminoethyl benzhydryl ether hydrochloride (benadryl): effects upon the human eye, 1148

HARRIS, RUTH C., BUXBAUM, LILLIAN, AND APPELBAUM, EMANUEL. Secondary bacillus pyocyaneus infection in meningitis following intrathecal penicillin therapy, 1113

HAWKINSON, VIOLET. (*See* WATSON AND HAWKINSON), 914

HAYNES, D. M., AND HESS, W. I. Cutaneous test with coccidioidin, 1317

HAYS, H. W. (*See* MAYER, HAYS, BROUSSEAU, MATHIESON, RENNICK, AND YONKMAN), 749

HEGSTED, D. M., TSONGAS, A. G., ABBOTT, D. B., AND STARE, F. J. Protein requirements of adults, 261

HEINLE, ROBERT W. (*See* SUÁREZ, WELCH, HEINLE, SUÁREZ, AND NELSON), 1294

HENDERSON, A. B., AND THORNELL, H. E. Observations on the effect of lowered oxygen tension on sicklemia and sickle cell anemia among military flying personnel, 769

HENLEY, T. F. (*See* FORGACS, KORNEGAY, AND HENLEY), 514

—. (*See* KORNEGAY, FORGACS, AND HENLEY), 523

HESS, W. I. (*See* HAYNES AND HESS), 1317

HESSELBROCK, WILLIAM B. (*See* LIPPINCOTT, MARBLE, ELLERBROOK, HESSELBROCK, ENGSTROM, AND GORDON), 991

HICKMAN, THORVAL, L. (*See* HIRSH, HICKMAN, SWEET, AND DOWLING), 1305

HICKS, SAMUEL P. A rapid pyridine silver stain for nervous tissue and reticular fibers, 1375

HIGLEY, C. S. (*See* WARREN, HIGLEY, AND COOMBS), 485

HILL, J. M., AND HABERMAN, SOL. Demonstration of Rh antibodies in the newborn and further evidence of the pathogenesis of erythroblastosis, 1053

HIRSH, HAROLD L., AND O'NEIL, C. BARBARA. The inability of cysteine to inactivate penicillin in the presence of broth and blood, 90

—, FEFFER, HENRY L., AND O'NEIL, C. BARBARA. A study of the diffusion of penicillin across the serous membranes of joint cavities, 535

—, HICKMAN, THORVAL L., SWEET, LEWIS K., AND DOWLING, HARRY F. Supracarboxythiazole: absorption, excretion, toxicity, and therapeutic results in bacillary dysentery and nonspecific diarrhea, 1305

HOFFBAUER, F. W. (*See* COOK AND HOFFBAUER), 56

HOFFMAN, WILLIAM S. Subcutaneous vs. intramuscular administration of penicillin, 1165

— AND DYNIEWICZ, HATTIE A. The effect of alumina gel upon the absorption of nutrient substances from the intestinal tract, 497

HOPPER, JAMES, JR. (*See* MONROE AND HOPPER), 934

HOPPS, H. C., AND WISSLER, R. W. The experimental production of generalized arteritis and periarteritis (periarteritis nodosa), 939

HORECKER, B. L. A primary standard for the colorimetric determination of hemoglobin, 589

HOUCHIN, O. BOYD. A simple electrocardiograph contact electrode for use with the smaller laboratory animal, 595

HOWARD, L. GLADYS. (*See* NEUSTADT, HOWARD, AND MYERSON), 95

HULPIEU, H. R. (*See* COLE AND HULPIEU), 242

HUMPHREYS, S. (*See* CARTWRIGHT, WINTROBE, AND HUMPHREYS), 423

I

IVY, A. C. (*See* GUTMANN, TROCKMAN, AND IVY), 1313

J

JACOBSON, MARSHALL. (*See* GOLDSTEIN, JACOBSON, TELFORD, AND ROE), 999

JAGER, B. V. (*See* CLAUSEN AND JAGER), 428

JAILER, JOSEPH W., AND GOLDBAUM, LEO R. Studies on the plasma concentration and tissue distribution of sodium pentothal (sodium ethyl 1-methylbutyl thiobarbiturate), 1344

JENSEN, JULIUS. (*See* SMITH AND JENSEN), 455, 850

—. (*See* STEINBERG AND JENSEN), 857

JOHNSON, MARY B., AND DAMON, SAMUEL R. The serologic diagnosis of endemic typhus. III. The incidence and titer of complement-fixing antibodies in random samples of the population in endemic and nonendemic typhus areas, 550

JOHNSTON, FRANKLIN D. (*See* ROSENBAUM, WILSON, AND JOHNSTON), 492

K

KAHN, REUBEN L. A note on quantitative Kahn tests employing 0.9 and 2.5 per cent salt solution systems, 1382

KAMEN, MARTIN D. (*See* REINHARD, MOORE, BIERBAUM, AND MOORE), 107

KAPLAN, LAWRENCE I., READ, HILTON S., AND BECKER, FREDERIC T. (with the collaboration of BOYD, MARK F.). Homologous and heterologous strains of Plasmodium vivax: a cross-inoculation study of malaria strain immunity, 400

—, —, AND —. The action of thiobismol on therapeutic quartan malaria, 735

—, —, —, AND SEYMOUR, CHARLES F. The concentration of penicillin in the spinal fluid following intramuscular administration in neurosyphilis, 317

KAREL, LEONARD. (*See* WESTON AND KAREL), 1227

KELLY, WILLIAM D., LEWIS, JESSICA H., AND DAVIDSON, CHARLES S. The determination of urine urobilinogen, 1045

KENNEDY, J. F. (*See* FLORESTANO AND KENNEDY), 757

KENT, JOHN F. (with the technical assistance of GOODMAN, REBECCA, AND CONWAY, HELEN). An abbreviated spectrophotometric technique for determining the optimal concentration of amboceptor, 1270

—. (*See* BUKANTZ, REIN, AND KENT), 394

KINSMAN, J. MURRAY. (*See* KIRBY, MARTIN, LEIFER, AND KINSMAN), 313

KIRBY, WILLIAM M. M., MARTIN, SAMUEL P., LEIFER, WILLIAM, AND KINSMAN, J. MURRAY. Maintenance of therapeutic blood concentrations of penicillin for twenty-four hours following single injections of penicillin-beeswax-peanut oil mixtures, 313

KISKADDON, R. M. (*See* RENSHAW, KISKADDON, AND TEMPLETON), 457

KOCH, MARY B. (*See* SPIES, MILANES, MENÉNDEZ, KOCH, AND MINNICH), 227

KOELLE, ETHOL SHIELS. (*See* CHENOWETH AND KOELLE), 600

KONDO, B. (*See* MALINOW AND KONDO), 1042

KORNEGAY, G. B. (*See* FORGACS, KORNEGAY, AND HENLEY), 514

—, FORGACS, J., AND HENLEY, T. F. (with the technical assistance of COLLINS, L. A., REDMON, C. F., AND CHAMBERS, M. C.). Studies on streptomycin. II. Blood levels and urinary excretion in man and animals, 523

KOZOLL, DONALD D., VOLK, BRUNO W., STEIGMANN, FREDERICK, AND POPPER, HANS. Pectin excretion studies in the human being, 30

KRATZING, C. C. (*See* SLATER AND KRATZING), 700

KREBS, EDWIN G. Depression of gamma globulin in hypoproteinemia due to malnutrition, 85

KUCERA, J. L. (*See* FORGACS AND KUCERA), 1355

KULASAVAGE, RICHARD J. (*See* LIMARZI, PIRANI, AND KULASAVAGE), 470

KUZELL, WILLIAM C., AND DAVISON, ROLAND A. Serum lysolecithin in rheumatoid arthritis, pregnancy, and jaundice and in normal persons, 1223

L

LACKEY, ROBERT W. (*See* BAILEY, DUMAS, AND LACKEY), 584

LAGRAVE, D. R. (*See* WESTON AND KAREL), 1227

LANDOWNE, MILTON, AND ALVING, ALF S. A clinical method of determining the specific renal functions of glomerular filtration and maximal tubular excretion, or reabsorption (and "effective blood flow"), using a single injection of a single substance, 453

LANG, EVERETT H. (*See* PAGE AND LANG), 1144

LANGE, CARL. Interpretation of findings in the cerebrospinal fluid. II. The technique and systematic interpretation of the albumin-globulin ratio in cerebrospinal fluids, 552

LANGE, KURT, AND MATZNER, MILTON J. The distribution of atabrine in the blood, the skin, and its appendages, 742

LASICHAK, ANDREW G. (*See* SMYTH, MOYER, AND LASICHAK), 477

LAWRENCE, C. A. (*See* GOETCHIUS AND LAWRENCE), 336

LAZAROW, ARNOLD, AND PALAY, SANFORD L. The production and course of alloxan diabetes in the rat, 1004

LEBLOND, CHARLES P. (*See* PUPPEL, LEBLOND, RILEY, AND CURTIS), 484

LEIFER, WILLIAM. (*See* KIRBY, MARTIN, LEIFER, AND KINSMAN), 313

LEINFELDER, P. J. (*See* ROBBIE AND LEINFELDER), 918

LEONARD, DONALD W. Photomicrography: a short method using negative projection prints, 373

LEWIS, JESSICA H. (*See* KELLY, LEWIS, AND DAVIDSON), 1045

—. (*See* LEY, LEWIS, AND DAVIDSON), 910

LEWIS, LENA A., AND PAGE, IRVINE H. Method of assaying steroids and adrenal extracts for protective action against toxic material (typhoid vaccine), 1325

LEY, ALLYN B., LEWIS, JESSICA H., AND DAVIDSON, CHARLES S. The quantitative determination of the thymol turbidity reaction of serum, 910

LILIENTHAL, J. L., JR., AND RILEY, R. L. On the estimation of arterial carbon dioxide from samples of cutaneous (capillary) blood, 99

LILLIE, R. D. Effect of metals on Giemsa stain solutions in fifty per cent glycerol and methanol mixture, 253

LIMARZI, LOUIS R., PIRANI, CONRAD L., AND KULASAVAGE, RICHARD J. The effect of thiouracil on leucemia with a clinico-pathologic report of a case of chronic myeloid leucemia that developed an extreme neutropenic leucopenia, 470

—, PONCHER, HENRY G., AND BIRCH, CARROLL L. The bone marrow in hemophilia during life, 777

—, PAUL, JEROME T., AND PONCHER, HENRY G. Blood and bone marrow in infectious mononucleosis, 1079

LINDBERG, ROBERT B., COYLE, FRANCIS R., RICH, GEORGE T., AND BAYLISS, MILWARD. Outbreak of hemolytic streptococcus throat infection controlled by sulfadiazine, 544

LIPPINCOTT, STUART W., MARBLE, ALEXANDER, ELLERBROOK, LESTER D., HESSELBROCK, WILLIAM B., ENGSTROM, WILLIAM W., AND GORDON, H. H. Liver function tests in neurosyphilitic patients with induced vivax malaria of Pacific and Mediterranean origin, 991

LOGAN, MYRTLE. (*See* ENGEL, FERRIS, STEVENS, LOGAN, AND WEBB), 474

LYTLE, FRANCIS. (*See* TAYLOR AND LYTLE), 473

M

MCBURNEY, RALPH. (*See* CARMICHAEL, MCBURNEY, AND CASON), 365

MCGAVACK, THOMAS HODGE. (*See* HARRIS, MCGAVACK, AND ELIAS), 1148

—, ELIAS, HERBERT, AND BOYD, LINN J. The influence of dimethylaminoethyl benzhydryl ether hydrochloride (benadryl) upon normal persons and upon those suffering from disturbances of the autonomic nervous system, 560

MCHARGUE, J. S. (*See* RAPP, SKINER, AND MCHARGUE), 598

MCMAHON, MARGARET C. (*See* WAYSON AND MCMAHON), 323

MACNEAL, WARD J., FILAK, LOUISE, AND BLEVINS, ANNE. Conjoined action of penicillin and bacteriophages, 974

MACQUIDDY, E. L., PINKERTON, ELIZABETH, GOETZE, HARTMANN, AND OBERST, FRED W. Fate of sodium ricinoleate after oral administration to white rats, 763

MAJOR, RALPH H. The treatment of ulcerative colitis with nisulfadine and nisulfazole, 219

MALINOW, M. R., AND KONDO, B. An electrocardiographic caliper calculator, 1042

MARBLE, ALEXANDER. (*See* LIPPINCOTT, MARBLE, ELLERBROOK, HESSELBROCK, ENGSTROM, AND GORDON), 991

MARTIN, SAMUEL P. (*See* KIRBY, MARTIN, LEIFER, AND KINSMAN), 313

MASON, J. W. (*See* WAKIM, K. G.), 18

MASUCCI, PETER. The application of the "lyophile technique" to biologic products. I. Sera, antisera, and antibody globulins, 340

MATHIESON, D. (*See* MAYER, HAYS, BROUSSEAU, MATHIESON, RENNICK, AND YONKMAN), 749

MATZNER, MILTON J. (*See* LANGE AND MATZNER), 742

MAYER, R. L., HAYS, H. W., BROUSSEAU, D., MATHIESON, D., RENNICK, B., AND YONKMAN, F. F. Pyribenzamine (N′-pyridyl-N′-benzyl-N-dimethylethylenediamine HCl), an antagonist of histamine, 749

MEADS, MANSON. (*See* ORY, HARRIS, MEADS, WILCOX, AND FINLAND), 409

— AND FINLAND, MAXWELL. Absorption and excretion of sulfathiadiazole and sulfamethylthiadiazole after oral administration in human beings, 900

MENÉNDEZ, ARISTIDES. (*See* SPIES, MILANES, MENÉNDEZ, KOCH, AND MINNICH), 227

MEYER, OVID O., AND THILL, CHARLES J. Penicillin and dicumarol, and penicillin in the treatment of subacute bacterial endocarditis, 487

MILAM, D. F. Plasma protein levels in normal individuals, 285

— AND MUENCH, HUGO. Hemoglobin levels in specific race, age, and sex groups of a normal North Carolina population, 878

MILANES, FERNANDO. (*See* SPIES, MILANES, MENÉNDEZ, KOCH, AND MINNICH), 227

MINNICH, VIRGINIA. (*See* DUBACH, MOORE, AND MINNICH), 1201

—. (*See* GOETSCH, MOORE, AND MINNICH), 466

—. (*See* SPIES, MILANES, MENÉNDEZ, KOCH, AND MINNICH), 227

MONACO, A. RALPH. (*See* SVIRBELY, MONACO, AND ALFORD), 1133

MONROE, LEE, AND HOPPER, JAMES, JR. A simple method of determining the specific gravity of small samples of urine, 934

MOORE, CARL V. (*See* DUBACH, MOORE, AND MINNICH), 1201

—. (*See* GOETSCH, MOORE, AND MINNICH), 466

—. (*See* REINHARD, MOORE, BIERBAUM, AND MOORE, 107

MOORE, ROBERT A. The cellular mechanism of recovery after treatment with penicillin. I. Subacute bacterial endocarditis, 1279

MOORE, SHERWOOD. (*See* REINHARD, MOORE, BIERBAUM, AND MOORE), 107

MORGAN, HERBERT R. (*See* FAVORITE AND MORGAN), 672

MOST, HARRY. (*See* BARODY AND MOST), 815

MOVITZ, DAVID. (*See* CURTIS AND MOVITZ), 464

MOYER, CARL A. (*See* SMYTH, MOYER, AND LASICHAK), 477

MUELLER, M. G. (*See* CARLSON, MUELLER, AND BISSELL), 677

MUENCH, HUGO. (*See* MILAM AND MUENCH), 878

MYERS, GORDON B., AND STOFER, BERT E. Electrocardiographic diagnosis of right ventricular lesions with especial reference to the findings in the Wilson precordial and Goldberger extremity leads, 493

MYERSON, ABRAHAM. (*See* NEUSTADT, HOWARD, AND MYERSON), 95

N

NEUSTADT, RUDOLPH, HOWARD, L. GLADYS, AND MYERSON, ABRAHAM. A photoelectric method for the determination of cholesterol in urine, 95

NOTH, PAUL H. Follow-up studies of patients with cardiac wounds, 491

O

OBERST, FRED W. (*See* MACQUIDDY, PINKERTON, GOETZE, AND OBERST), 763

O'NEIL, C. BARBARA. (*See* HIRSH AND O'NEIL), 90

—. (*See* HIRSH, FEFFER, AND O'NEIL), 535

ORY, EDWIN M., HARRIS, H. WILLIAM, MEADS, MANSON, WILCOX, CLARE, AND FINLAND, MAXWELL. Bacteriologic studies of the sputum in patients with pneumococcal pneumonia treated with penicillin, 409

OSTERBERG, ARNOLD E. (*See* STOKES, GAMBILL, AND OSTERBERG), 924

—. (*See* WOLLAEGER, COMFORT, WEIR, AND OSTERBERG), 496

OVERMAN, RICHARD R. Permeability alterations in disease, 1170

P

PALAY, SANFORD L. (*See* LAZAROW AND PALAY), 1004

PAGE, IRVINE H. (*See* LEWIS AND PAGE), 1325

PAGE, ROBERT C., AND LANG, EVERETT H. Study of absorption from crystalline insulin pellets and solutions at various sites in rabbits, 1144

PANNIER, W. L. (*See* FORGACS AND KUCERA), 1355

PATCH, ELIZABETH A. (*See* BEYER, RUSSO, PATCH, PETERS, AND SPRAGUE), 65

PAUL, JEROME T. (*See* LIMARZI, PAUL, AND PONCHER), 1079

PEARSON, EMMET F. Irreversible and slowly reversible changes in severe malnutrition, 495

PEARSON, P. B. (*See* ELLIOTT AND PEARSON), 1262

PETERS, LAWRENCE. (*See* BEYER, RUSSO, PATCH, PETERS, AND SPRAGUE), 65

PINKERTON, ELIZABETH. (*See* MACQUIDDY, PINKERTON, GOETZE, AND OBERST), 763

PIRANI, CONRAD L. (*See* LIMARZI, PIRANI, AND KULASAVAGE), 470

PLOTZ, HARRY. The interpretation of the Weil-Felix agglutination test in Rocky Mountain spotted fever, 982

PONCHER, HENRY G. (*See* LIMARZI, PAUL, AND PONCHER), 1079

—. (*See* LIMARZI, PONCHER, AND BIRCH), 777

POPPER, HANS. (*See* KOZOLL, VOLK, STEIGMANN, AND POPPER), 30

PORCILE, E. (*See* BARMAN AND PORCILE), 1254

PRINZMETAL, MYRON. (*See* BERGMAN AND PRINZMETAL), 654, 663

PUPPEL, I. DARIN, LEBLOND, CHARLES P., RILEY, ELSIE, AND CURTIS, GEORGE. The clinical significance of the functional behavior of adenomas of the thyroid gland, 484

Q

QUICK, ARMAND J. Effect of synthetic vitamin K and of quinine sulfate on the prothrombin level, 79

—. The action of various drugs on the prothrombin of the blood, 468

R

RAPP, KARL E., SKINER, J. T., AND MCHARGUE, J. S. A new type of glass cage for metabolism studies, 598

READ, HILTON S. (*See* KAPLAN, READ, AND BECKER), 400, 735

—. (*See* KAPLAN, READ, BECKER, AND SEYMOUR), 317

REDMON, C. F. (*See* FORGACS, KORNEGAY, AND HENLEY), 514, 523

REIN, C. R. (*See* BUKANTZ, REIN, AND KENT), 394

REINER, PHILIP J. (*See* DAVIDSON, WILCKE, AND REINER), 721

REINHARD, EDWARD H., MOORE, CARL V., BIERBAUM, OLGA S., AND MOORE, SHERWOOD (with an appendix by KAMEN, MARTIN D.) Radioactive phosphorus as a therapeutic agent. A review of the literature and analysis of the results of treatment of 155 patients with various blood dyscrasias, lymphomas, and other malignant neoplastic diseases, 107

RENNICK, B. (*See* MAYER, HAYS, BROUSSEAU, MATHIESON, RENNICK, AND YONKMAN), 749

RENSHAW, R. JOHN F., KISKADDON, R. M., AND TEMPLETON, FREDERIC E. Gastrocolic fistula—an experimental study, 457

REYNOLDS, FRANK W. (*See* CONNER AND REYNOLDS), 1121

RHOADS, PAUL S. (*See* FREEMAN, RHOADS, AND YAEGER), 480

RICH, GEORGE T. (*See* LINDBERG, COYLE, RICH, AND BAYLISS), 544

RICHARDS, R. K., AND EVERETT, G. M. Tridione: a new anticonvulsant drug, 1330

RILEY, ELSIE. (*See* PUPPEL, LEBLOND, RILEY, AND CURTIS), 484

RILEY, R. L. (*See* LILIENTHAL AND RILEY), 99

ROARK, KENT. (*See* BROUGHER, CAMERON, BUCHANAN, AND ROARK), 1378

ROBBIE, W. A., AND LEINFELDER, P. J. Oxygen consumption and drug action: a method for measurement of the respiration of aquatic animals, 918

RODKEY, F. LEE, AND BALL, ERIC G. A rapid test for distinguishing human from cow's milk based upon a difference in their xanthine oxidase content, 354

ROE, JOSEPH H. (*See* GOLDSTEIN, JACOBSON, TELFORD, AND ROE), 999

ROMA, MICHAEL. (*See* EICHELBERGER AND ROMA), 785

ROSENBAUM, FRANCIS F., WILSON, FRANK N., AND JOHNSTON, FRANKLIN D. The precordial electrocardiogram in high lateral myocardial infarction, 492

ROSENBERG, LILLIAN. (*See* BENOTTI, ROSENBERG, AND DEWEY), 357

ROSKELLEY, R. C. (*See* DEY, GILBERT, ROSKELLEY, AND TRUMP), 457

—. (*See* DEY, GILBERT, TRUMP, AND ROSKELLEY), 499

RUSSO, HORACE F. (*See* BEYER, RUSSO, PATCH, PETERS, AND SPRAGUE), 65

S

SASLAW, SAMUEL. (*See* WILSON, SASLAW, AND DOAN), 631

SAWYER, H. P., AND BOURKE, ANNE R. Anti-sheep amboceptor production with elimination of rabbit shock, 714

SCHAUB, ISABELLE G. Paracolon bacilli and their relation to urinary tract infections, 958

SCHEINKER, I. M. (*See* VILTER, BLANKENHORN, AUSTIN, AND SCHEINKER), 490

SCHMIDT, EMIL G. The determination of sulfonamides in tungstic acid (Folin-Wu) blood filtrates, 694

SEGALOFF, ALBERT. The effect of diet on the growth and survival of adrenalectomized rats treated with desoxycorticosterone acetate pellets, 482

SEIFTER, JOSEPH. (*See* GILBERT AND SEIFTER), 372

SEYMOUR, CHARLES F. (*See* KAPLAN, READ, BECKER, AND SEYMOUR), 317

SHAY, HARRY, AND GRUENSTEIN, MARGOT. A simple and safe method for the gastric instillation of fluids in the rat, 1384

SHIPLEY, R. A., AND DORFMAN, R. I. The effect of infection and trauma on the excretion of urinary cortin, 481

—. (*See* DUNN AND SHIPLEY), 1162

SHUMACKER, HARRIS B., JR. (*See* ABRAMSON AND SHUMACKER), 479

SILVER, S. D. Constant flow gassing chambers: principles influencing design and operation, 1153

SKINER, J. T. (*See* RAPP, SKINER, AND MCHARGUE), 598

SKUBI, K. B. (*See* FLINK AND SKUBI), 1074

SLATER, E. C., AND KRATZING, C. C. A simply constructed metabolism cage for small rats, 700

SLAUGHTER, DONALD. Sulfonamides and dark adaptation, 987

SMITH, JOHN R., AND JENSEN, JULIUS. Observations on the effect of theophylline aminoisobutanol in experimental heart failure, 850

— AND —. The effect of theophylline aminoisobutanol in the failing experimental heart, 455

SMITH, LUCIA L. (*See* CROFT AND SMITH), 1101

SMITH, MARY RUTH. (*See* HARFORD, SMITH, AND WOOD), 463

SMITH, RALPH O. (*See* GLASER, SMITH, HARFORD, AND BARRY), 291

SMYTH, CHARLEY J. (*See* FINKELSTEIN AND SMYTH), 454

—, MOYER, CARL A., AND LASICHAK, ANDREW G. Metabolic and physical changes associated with the oral and intravenous administration of amino acid preparations to man, 477

SONN, EVE B. (*See* WIENER AND SONN), 1020

SPEER, EVANS. (*See* FARNSWORTH, SPEER, AND ALT), 1025

SPIES, TOM D., MILANES, FERNANDO, MENÉNDEZ, ARISTIDES, KOCH, MARY B., AND

MINNICH, VIRGINIA. Observations on the treatment of tropical sprue with folic acid, 227

—. (*See* FROMMEYER, SPIES, VILTER, AND ENGLISH), 643

—. (*See* VILTER, WOOLFORD, AND SPIES), 609

SPRAGUE, KENNETH L. (*See* BEYER, RUSSO, PATCH, PETERS, AND SPRAGUE), 65

STARE, F. J. (*See* HEGSTED, TSONGAS, ABBOTT, AND STARE), 261

STECHER, ROBERT M. Heberden's nodes. V. The association of hypertension and obesity to degenerative joint disease of the fingers, 687

STEIGMANN, FREDERICK. (*See* KOZOLL, VOLK, STEIGMANN, AND POPPER), 30

STEIN, ISIDORE. A study of abnormal T waves in patients presenting no evidence of organic heart disease, 837

STEINBERG, FRANZ U., AND JENSEN, JULIUS. The effect of theophylline aminoisobutanol on the circulation in congestive heart failure, 857

STEVENS, CHARLES D. (*See* ENGEL, FERRIS, STEVENS, LOGAN, AND WEBB), 474

STEVENS, DANIEL S., AND DICK, GEORGE F. Blue fluorescent substance in urine, 1251

STOFER, BERT E. (*See* MYERS AND STOFER), 493

STOKES, GORDON D., GAMBILL, EARL E., AND OSTERBERG, ARNOLD E. The methylene blue test for bilirubinuria: clinical and spectrophotometric observations, 924

STONER, R. E. (*See* CORPER AND STONER), 1364

STREICHER, MICHAEL H., GRENCI, CATHERINE, AND CLAAR, NANCY. Sulfathalidine—further studies on clinical, chemical, and bacteriologic evaluation in infectious diseases of the colon, 459

SUÁREZ, RAMÓN M., WELCH, ARNOLD D., HEINLE, ROBERT W., SUÁREZ, RAMÓN M., JR., AND NELSON, EVELYN. Effectiveness of conjugated forms of folic acid in the treatment of tropical sprue, 1294

SUÁREZ, RAMÓN M., JR. (*See* SUÁREZ, WELCH, HEINLE, SUÁREZ, AND NELSON), 1294

SUSSMAN, RALPH M. (*See* VESELL, GROSS, AND SUSSMAN), 444

SVIRBELY, JOSEPH L., MONACO, A. RALPH, AND ALFORD, WILLIAM C. The comparative efficiency of various liver function tests in detecting hepatic damage produced in dogs by xylidine, 1133

SWEET, LEWIS K. (*See* HIRSH, HICKMAN, SWEET, AND DOWLING), 1305

T

TAMAGNA, IRENE G. A mechanical device to facilitate electrocardiographic reading, 1040

TANTURI, C. A., AND BANFI, R. F. An improved method for the determination of plasma prothrombin, 703

TARAN, ALBERT. A simple method for performing a Wassermann test on anticomplementary serum, 1037

TATUM, HOWARD, AND GINZLER, ARTHUR M. The traumatic effects of positive intratracheal pressures, 799

TAYLOR, SAMUEL G., III, AND LYTLE, FRANCIS. Effect of resuspended erythrocyte transfusion on serum protein, 473

TELFORD, IRA R. (*See* GOLDSTEIN, JACOBSON, TELFORD, AND ROE), 999

TEMPLETON, FREDERIC E. (*See* RENSHAW, KISKADDON, AND TEMPLETON), 457

THILL, CHARLES J. (*See* MEYER AND THILL), 487

THOMPSON, CHARLES R., AND WARREN, MARSHALL R. Acute and chronic toxicity studies on theophylline aminoisobutanol and theophylline ethylenediamine, 1337

THOMPSON, ROBERT T., AND BLANKENHORN, M. A. Antipneumococcus hyaluronidase activity in human serum; rise in titer following pneumococcus bacteremia with purulent infection of pleura and synovia, 462

THORNELL, H. E. (*See* HENDERSON AND THORNELL), 769

TISDALL, LESLIE, GARLAND, DONALD M., AND WIENER, ALEXANDER S. (with the technical assistance of COSCIA, JAMES, and GLACH, JOHN). A critical analysis of the value of the addition of A and B group-specific substances to group O blood for use as universal donor blood, 437

TOBIAS, JULIAN M., AND WESTON, RAYMOND E. An apparatus for measuring the retained dose of inhaled substances, 806

TORDA, CLARA, AND WOLFF, HAROLD G. Effect of penicillin and sulfonamides on acetylcholine synthesis and on the response of muscle to acetylcholine and potassium, 650

— AND —. Glycocyamine elimination in patients with myasthenia gravis, 1174

TROCKMAN, RICHARD. (*See* GUTMANN, TROCKMAN, AND IVY), 1313

TROWBRIDGE, MASON, JR. An in vitro method for determining the resistance of beta hemolytic streptococci to sulfadiazine, 248

TRUMP, RUTH. (*See* DEY, GILBERT, ROSKELLEY, AND TRUMP), 457

—. (*See* DEY, GILBERT, TRUMP, AND ROSKELLEY), 499

TSONGAS, A. G. (*See* HEGSTED, TSONGAS, ABBOTT, AND STARE), 261

U

UMBERGER, ERNEST J. A laboratory holder for immobilizing experimental rats, 369

UNGER, LESTER J. Sensitization of Rh-positive patients by the Rh factor, 793

V

VAN BRUGGEN, J. T. A rapid method for drying oxalate solutions, 717

VESELL, HARRY, GROSS, IRMA H., AND SUSSMAN, RALPH M. Urea as an adjunct to sulfonamide therapy, 444

VILTER, CARL F. (*See* FROMMEYER, SPIES, VILTER, AND ENGLISH), 643

—, BLANKENHORN, M. A., AUSTIN, R. S., AND SCHEINKER, I. M. A study of beriberi heart disease at the Cincinnati General Hospital, 490

VILTER, RICHARD W., WOOLFORD, ROBERT M., AND SPIES, TOM D. Severe scurvy. A clinical and hematologic study, 609

VOLK, BRUNO W. (*See* KOZOLL, VOLK, STEIGMANN, AND POPPER), 30

W

WACHSTEIN, M. Alkaline phosphatase activity in normal and abnormal human blood and bone marrow cells, 1

WAKIM, K. G. (with experimental collaboration of MASON, J. W.). The effects of adrenalin and nembutal anesthesia on blood constituents before and after splenectomy, 18

WARREN, HARRY A., HIGLEY, C. S., AND COOMBS, F. S., JR. The effect of salicylate on the sedimentation rate, fever, and occurrence of valvular heart disease in acute rheumatic fever, 485

WARREN, MARSHALL R. (*See* THOMPSON AND WARREN), 1337

WATSON, C. J., AND HAWKINSON, VIOLET. Semiquantitative estimation of bilirubin in the urine by means of the barium-strip modification of Harrison's test, 914

WAYSON, N. E., AND MCMAHON, MARGARET C. Plague: treatment of experimental animals with streptomycin, sulfadiazine, and sulfapyrazine, 323

WEBB, JOSEPH P. (*See* ENGEL, FERRIS, STEVENS, LOGAN, AND WEBB), 474

WEILAND, GLENN S. (*See* FIGGE, CAREY, AND WIELAND), 752

WEIR, JAMES F. (*See* WOLLAEGER, COMFORT, WEIR, AND OSTERBERG), 496

WELCH, ARNOLD D. (*See* SUÁREZ, WELCH, HEINLE, SUÁREZ, AND NELSON), 1294

WESTON, RAYMOND, AND KAREL, LEONARD. (with the technical assistance of LAGRAVE, D. R., AND GOGINS, A.). The retained median lethal dose, percentage retention, and respiratory response in unanesthetized, intact rabbits and in unanesthetized, tracheotomized dogs and rabbits exposed to phosgene by the dosimetric method, 1227

—. (*See* TOBIAS AND WESTON), 806

WEXLER, I. B. (*See* WIENER AND WEXLER), 1016

WIENER, ALEXANDER S. (*See* TISDALL, GARLAND, AND WIENER), 437

—. Application of the Rh blood types and Hr factor in disputed parentage, 575

— AND SONN, EVE B. Permeability of the human placenta to isoantibodies, 1020

— AND WEXLER, I. B. The use of heparin when performing exchange blood transfusions in newborn infants, 1016

WILCKE, HAROLD L. (*See* DAVIDSON, WILCKE, AND REINER), 721

WILCOX, CLARE. (*See* ORY, HARRIS, MEADS, WILCOX, AND FINLAND), 409

WILSON, FRANK N. (*See* ROSENBAUM, WILSON, AND JOHNSTON), 492

WILSON, HENRY E., SASLAW, SAMUEL, AND DOAN, CHARLES A. The effect of folic acid (Lactobacillus casei factor) in nutritional hematopenia of monkeys, 631

WINTROBE, MAXWELL M. (*See* CARTWRIGHT AND WINTROBE), 886

—. (*See* CARTWRIGHT, WINTROBE, AND HUMPHREYS), 423

WISSLER, R. W. (*See* HOPPS AND WISSLER), 936

WOLFF, HAROLD G. (*See* TORDA AND WOLFF), 650, 1174

WOLLAEGER, ERIC E., COMFORD, MANDRED W., WEIR, JAMES F., AND OSTERBERG, ARNOLD E. The total solids, fat, and nitrogen in the feces of persons who have undergone partial gastrectomy with anastomosis of the entire cut end of the stomach to the jejunum (polya anastomosis), 496

WOOD, W. BARRY, JR. (*See* GLASER, SMITH, HARFORD, AND WOOD), 291

—. (*See* HARFORD, SMITH, AND WOOD), 463

WOOLFORD, ROBERT M. (*See* VILTER, WOOLFORD, AND SPIES), 609

Y

YAEGER, LEONA B. (*See* FREEMAN, RHOADS, AND YAEGER), 480

YONKMAN, F. F. (*See* MAYER, HAYS, BROUSSEAU, MATHIESON, RENNICK, AND YONKMAN), 749

Z

ZWEMER, RAYMUND L., AND ELFTMAN, HERBERT. The effect of gold chloride on plasma ascorbic acid in the rat, 333

SUBJECT INDEX

Book reviews are indicated by (B. Rev.) after the page number.

A

Accessory spleen, significance of, 464

Acetylated sulfonamides, formation and excretion of, 65

Acetylcholine and potassium, response of muscle to, 650

synthesis, effect of penicillin and sulfonamides on, 650

"Acid" phosphatase activity, Gutman and Gutman method of estimating, modification of, 357

Adenomas of thyroid gland, clinical significance of functional behavior of, 484

Adrenal extracts and steroids, method of assaying, for protective action against toxic material, 1325

Adrenalectomized rats treated with desoxycorticosterone acetate pellets, effect of diet on growth and survival of, 482

Adrenalin and nembutal anesthesia, effects of, on blood constituents before and after splenectomy, 18

Agglutination test, Weil-Felix, interpretation of, in Rocky Mountain spotted fever, 982

Alkaline phosphatase activity in normal and abnormal human blood and bone marrow cells, 1

Allergic disorders, pyribenzamine in, 1350

Alloxan diabetes in rat, production and course of, 1004

Alumina gel, effect of, upon absorption of nutrient substances from intestinal tract, 497

Amboceptor, optimal concentration of, abbreviated spectrophotometric technique for determining, 1270

Amino acid preparations, metabolic and physical changes associated with oral and intravenous administration of, to man, 477

Anasarca, generalized, unusual case of, appearing in impounded dog with cirrhosis of liver, 785

Anemia, hypochromic, effect of massive doses of iron given intravenously to patients with, 466

macrocytic, treatment of, with Lactobacillus casei factor (pteroylglutamic acid), 1186

production of, in pig which responded to purified liver extract, 423

sickle cell, and sicklemia, among military flying personnel, effect of lowered oxygen tension on, 769

Anesthesia, nembutal, and adrenalin, effects of, on blood constituents before and after splenectomy, 18

Animal, experimental, reflex shortening of esophagus in, with production of esophageal hiatus hernia, 499

laboratory, simple electrocardiograph contact electrode for use with smaller, 595

Animals, laboratory, trap with holder for handling vicious, such as wild rats, 365

Antianemic properties of 5-methyl uracil, further observations on, 643

Antipneumococcus hyaluronidase activity in human serum, 462

Antiserums, horse-derived, elimination of human reaction-producing material from, by electrical method, 829

Antisheep amboceptor production with elimination of rabbit shock, 714

Antishock action of certain drugs in burned mice, 663

of ethanol in burned mice, 654

Apparatus for measuring retained dose of inhaled substances, 806

Army Institute of Pathology and American Registry of Pathology, 1051 (Announcement)

Arterial carbon dioxide, estimation of, from samples of cutaneous (capillary) blood, 99

Arteritis, generalized, and periarteritis, experimental production of, 939

Arthritis, rheumatoid, serum lysllecithin in, 1223

Atabrine in blood, skin, and its appendages, distribution of, 742

B

Bacillary dysentery, colitis and enteritis, 105 (B. Rev.)

sulfacarboxythiazole in, 1305

Bacilli, paracolon, and their relation to urinary tract infections, 958

tubercle, in sputum, detection of, 361

Bacillus pyocyaneus infection, secondary, in meningitis following intrathecal penicillin therapy, 1113

Bacterial endocarditis, treatment of, with penicillin, 291

Bacteriophages and penicillin, conjoined action of, 974

Barbiturates, anticonvulsive activity of, method for determining relative, 242

Barium-strip modification of Harrison's test, semiquantitative estimation of bilirubin in urine by, 914
Benadryl, influence of, upon normal persons and upon those suffering from disturbances of autonomic nervous system, 560
nature of action of; effects upon human eye, 1148
Benedict-Roth apparatus, assuring accuracy in determination of oxygen consumption by, simple method for, 1254
Beriberi heart disease, study of, at Cincinnati General Hospital, 490
Beta hemolytic streptococci, resistance of, to sulfadiazine, in vitro method for determining, 248
Bile, dog, concentration of streptomycin in, 1313
Bilirubin in urine, semiquantitative estimation of, by means of barium-strip modification of Harrison's test, 914
Bilirubinuria, methylene blue test for, 924
Biologic products, application of "lyophile technique," to, 340
Biuret reaction, applicability of, to determination of serum albumin by methanol precipitation, 916
Blood, amylase and lipidase content of, effect of ligation of pancreatic ducts upon, 999
and bone marrow in infectious mononucleosis, 1079
atabrine in, distribution of, 742
capillary and venous, in traumatic shock, observations on, 381
clot retraction, effect of glycerophosphate on, 1249
coagulation, effect of glycerophosphate on, 1249
concentrations of penicillin, therapeutic, maintenance of, for twenty-four hours following single injections of penicillin-beeswax-peanut oil mixtures, 313
constituents before and after splenectomy, effects of adrenalin and nembutal anesthesia on, 18
donor, universal, reactions from, 472
donors, screening, use of copper sulfate method of hemoglobin estimation for, 40
filtrates, tungstic acid (Folin-Wu), sulfonamides in, determination of, 694
group O, for use as universal donor blood, addition of A and B group-specific substances to, critical analysis of value of, 437
human, alkaline phosphatase activity in normal and abnormal, 1
ketones in diabetic acidosis, simple estimation of, 1162
marrow, cellular elements and coagulation time of, study of, 777
Blood—Cont'd
prothrombin of, action of various drugs on, 468
Rh types and Hr factor, application of, in disputed parentage, 575
transfusion studies, 1067, 1074
transfusions in newborn infants, use of heparin when performing exchange, 1016
Blue fluorescent substance in urine, 1251
Bone marrow and blood in infectious mononucleosis, 1079
cells, alkaline phosphatase activity in, 1 in hemophilia during life, 777
Book reviews, 105, 257, 379, 498, 608, 718, 828, 936, 1050, 1164, 1278, 1387
Breast, diseases of, 380 (B. Rev.)

C

Cancer, A. A. A. S. Research, conference on, 718 (B. Rev.)
Carbon dioxide, arterial, estimation of, from samples of cutaneous (capillary) blood, 99
Cardiac wounds, follow-up studies of patients with, 491
Cellular mechanism of recovery after treatment with penicillin, 1279
Central nervous system, stimulation of, by curare (intocostrin), 866
Society for Clinical Research, proceedings of eighteenth annual meeting, Chicago, Ill., November 2 and 3, 1945, 453
Cerebrospinal fluid, albumin-globulin ratio in, technique and systematic interpretation of, 552
interpretation of findings in, 552
Chemistry of carbon compounds, 608 (B. Rev.)
organic, physical methods of, 828 (B. Rev.)
Cholesterol in urine, photoelectric method for determination of, 95
Circulation in congestive heart failure, effect of theophylline aminoisobutanol on, 857
time, relation of physiologic variables to, 584
Cirrhosis of liver, generalized anasarca appearing in impounded dog with, unusual case of, 785
Citrinin, pharmacologic actions of, miscellaneous, 72
Coccidioidin, cutaneous test with, 1317
Colitis, ulcerative, treatment of, with nisulfadine and nisulfazole, 219
Colon, infectious diseases of, sulfathalidine in, 459
Colorimetric determination of hemoglobin, primary standard for, 589
diagnostic test for malaria, 677
Complement fixation, studies in, 394

Copper sulfate method of hemoglobin estimation, use of, for screening blood donors, 40
Crystalline insulin pellets and solutions, absorption from, study of, at various sites in rabbits, 1144
Cultures, differentiating paracolon from Salmonella, presumptive medium for, 824
Curare (intocostrin), stimulation of central nervous system by, 866
Cutaneous test with coccidioidin, 1317
Cysteine, inability of, to inactivate penicillin in presence of broth and blood, 90
Cysts and ova, Faust method in detection of, modification of, 1372

D

Dermatology and syphilology, 1945 year book of, 608 (B. Rev.)
Dextrose tolerance test, two-dose, in diagnosis of diabetes mellitus, 1121
Diabetes, alloxan, in rat, production and course of, 1004
mellitus, two-dose dextrose tolerance test in diagnosis of, 1121
Diabetic acidosis, blood ketones in, simple estimation, 1162
ketosis, severe, treated with glucose and insulin, observations on, 1244
Diarrhea, nonspecific, sulfacarboxythiazole in, 1305
Dimethylaminoethyl benzhydryl ether hydrochloride, influence of, upon normal persons and upon those suffering from disturbances of autonomic nervous system, 560
nature of action of; effects upon human eye, 1148
Disease, permeability alterations in, 1170
Doctor's office, in, 106 (B. Rev.)
Drug action, oxygen consumption and, 918
Drugs, antishock action of certain, in burned mice, 663
Drying oxalate solutions, rapid method for, 717
Dysentery, bacillary, colitis and enteritis, 105 (B. Rev.)
sulfacarboxythiazole in, 1305

E

Ehrlich reaction, rate of color development of, interpretation of, 1045
Electrocardiogram, precordial, in high lateral myocardial infarction, 492
Electrocardiograph contact electrode for use with smaller laboratory animal, simple, 595
Electrocardiographic caliper calculator, 1042
diagnosis of right ventricular lesions, 493
reading, mechanical device to facilitate, 1040
Embryology, human, 1387 (B. Rev.)
Endemic typhus, serologic diagnosis of, 550
Endocarditis, bacterial, treatment of, with penicillin, 291
subacute bacterial, penicillin and dicumarol in treatment of, 487
Ertron, toxic manifestations following large doses of, 480
Erythroblastosis, pathogenesis of, further evidence of, demonstration of Rh antibodies in newborn and, 1053
Erythrocyte fragility in acute infectious hepatitis, 1179
transfusion, resuspended, effect of, on serum protein, 473
Erythrocytes, transfused, survival of fresh and stored, as determined by urobilinogen excretion, 1074
Esophageal hiatus hernia, reflex shortening of esophagus in experimental animal with production of, 499
Esophagus, reflex shortening of, effect of stimuli originating in upper abdomen in causation of, 457
in experimental animal with production of esophageal hiatus hernia, 499
Ethanol, antishock action of, in burned mice, 654
Eyes, prominence of, in various thyroid states, changes in, 483

F

Faust method in detection of cysts and ova, modification of, 1372
Feces, total solids, fat, and nitrogen in, of patients who have undergone partial gastrectomy with anastomosis of entire cut end of stomach to jejunum, 496
Fever and leucocytosis, therapeutic induction of, using purified typhoid pyrogen, 672
Fingers, degenerative joint disease of, association of hypertension and obesity to, 687
Fistula, gastrocolic—experimental study, 457
5-methyl uracil, antianemic properties of, further observations on, 643
Fluids, gastric instillation of, in rat, simple and safe method for, 1384
Folic acid, conjugated forms of, in treatment of tropical sprue, 1294
effect of, in nutritional hematopenia of monkeys, 531
treatment of tropical sprue with, 227
Food-allergy, familial nonreaginic, 498 (B. Rev.)

G

Gamma globulin in hypoproteinemia due to malnutrition, depression of, 85

Gassing chambers, constant; design and operation, 1153
Gastric instillation of fluids in rat, simple and safe method for, 1384
Gastrocolic fistula—experimental study, 457
Gerontology, journal of, 937 (B. Rev.)
Giemsa stain solutions, effect of metals on, in fifty per cent glycerol and methanol mixture, 253
Glass cage for metabolism studies, new type of, 598
Glomerular filtration and maximal tubular excretion, renal functions of, clinical method of determining specific, 453
Glucose and insulin, severe diabetic ketosis treated with, observations on, 1244
Glycerophosphate, effect of, on blood coagulation and on blood clot retraction, 1249
Glycocyamine elimination in patients with myasthenia gravis, 1174
Gold chloride, effect of, on plasma ascorbic acid in rat, 333
Grundlagen unserer Ernährung und unseres Stoffwechsels, 1164 (B. Rev.)
Guinea pig jejunum, unsuitability of, for study by Magnus method, 372
Gutman and Gutman method of estimating "acid" phosphatase activity, modification of, 357

H

Hair and scalp, clinical study, 259 (B. Rev.)
Halogenation of pregnancy urine, chromogenic reactions to, 1240
Harrison's test, barium-strip modification of, semiquantitative estimation of bilirubin in urine by, 914
Hay fever, pyribenzamine in, 1350
Heart disease, organic, abnormal T waves in patients presenting no evidence of, 837
  failure, congestive, effective theophylline aminosobutanol on circulation in, 857
    experimental, effect of theophylline aminoisobutanol in, 850
  perfusion system, isolated, adapted to determination of nongaseous metabolites, 600
Heberden's nodes, 687
Hematologic survey of repatriated American military personnel, 886
Hematology for students and practitioners, 257 (B. Rev.)
Hematopenia, nutritional, of monkeys, effect of folic acid in, 631
Hemochromatosis, 1029
Hemoglobin, colorimetric determination of, primary standard for, 589
  estimation, copper sulfate method of, use of, for screening blood donors, 40
Hemoglobin—Cont'd
  levels in specific race, age, and sex groups of normal North Carolina population, 878
Hemolytic and nonhemolytic transfusion reactions, differentiation of, 1067
  streptococci, dangerous carriers of, detection of, by measurement of their "streptococcal output," 460
  streptococcus throat infection, outbreak of, controlled by sulfadiazine, 544
Hemophilia during life, bone marrow in, 777
Heparin, use of, when performing exchange blood transfusions in newborn infants, 1016
Hepatitis, acute infectious, erythrocyte fragility in, 1179
Histamine, pyribenzamine (N′-pyridyl-N′-benzyl-N-dimethylethylenediamine HCl), antagonist of, 749
Homologous and heterologous strains of Plasmodium vivax, 400
Human being, pectin excretion studies in, 30
  reaction-producing material, elimination of, from horse-derived antiserums, by electrical method, 829
Hypertension and obesity, association of, to degenerative joint disease of fingers, 687
  experimental, 1278 (B. Rev.)
Hyperventilation, syndrome of, 474
Hypoglycemia, detection of, rapid bedside test for, 1267
Hypoproteinemia due to malnutrition, depression of gamma globulin in, 85
Hypoprothrombinemia, degree of, relation of plasma salicylate level to, 428

I

Infection, hemolytic streptococcus throat, outbreak of, controlled by sulfadiazine, 544
Infections, urinary tract, paracolon bacilli and their relation to, 958
Infectious hepatitis, acute, erythrocyte fragility in, 1179
  mononucleosis, blood and bone marrow in, 1079
Influenza virus, effect of superimposed bacterial pneumonia on severity of sublethal infection with, 463
Inhaled substances, retained dose of, apparatus for measuring, 806
Intocostrin, stimulation of central nervous system by, 866
Intratracheal pressures, positive, traumatic effects of, 799
Iron, massive doses of, intravenously to patients with hypochromic anemia, effect of, 466
  transportation and metabolism, studies in, 1201
Isoantibodies, permeability of human placenta to, 1020

J

Jaundice, serum lysolecithin in, 1223
Jejunum of guinea pig, unsuitability of, for study by Magnus method, 372

K

Kahn tests, quantitative, employing 0.9 and 2.5 per cent salt solution systems, 1378, 1382

L

Laboratory animal, smaller, simple electrocardiograph contact electrode for use with, 595
animals, trap with holder for handling vicious, such as wild rats, 365
holder for immobilizing experimental rats, 369
methods, 95, 242, 354, 589, 694, 806, 914, 1037, 1153, 1254, 1355
Lactobacillus casei factor in nutritional hematopenia of monkeys, 631
treatment of macrocytic anemia with, 1186
Leucemia, effect of thiouracil on, 470
Liver extract, purified, production of anemia in pig which responded to, 423
function tests, comparative efficiency of various, in detecting hepatic damage produced in dogs by xylidine, 1133
in neurosyphilitic patients with induced vivax malaria of Pacific and Mediterranean origin, 991
functional impairment in therapeutic malaria, unsuccessful use of methionine as protective agent, 56
"Lyophile technique," application of, to biologic products, 340

M

Macrocytic anemia, treatment of, with Lactobacillus casei factor (pteroylglutamic acid), 1186
Malaria, colorimetric diagnostic test for, 677
quartan, action of thiobismol on therapeutic, 735
strain immunity, cross-inoculation study of, 400
therapeutic, liver functional impairment in, unsuccessful use of methionine as protective agent, 56
Malnutrition, hypoproteinemia due to, depression of gamma globulin in, 85
irreversible and slowly reversible changes in severe, 495
Mammalian tubercle bacilli, diagnostic culture of, improved procedure for, 1364
Marrow blood, cellular elements and coagulation time of, study of, 777
Medicine and allied sciences, history of, journal of, 828 (B. Rev.)
Medicine—Cont'd
clinical, modern management in, 828 (B. Rev.)
preventive, and public health, 936 (B. Rev.)
tropical, principles and practice of, 828 (B. Rev.)
Meningitis, secondary bacillus pyocyaneus infection in, following intrathecal penicillin therapy, 1113
Mercuhydrin and mercupurin, oral and parenteral, comparative study of, 454
Merthiolate, preservatives for syphilitic serum wiith special reference to, 1101
Metabolism cage for small rats, simply constructed, 700
iron transportation and, studies in, 1201
studies, glass cage for, new type of, 598
Metabolites, nongaseous, isolated heart perfusion system adapted to determination of, 600
Methylene blue test for bilirubinuria, 924
Mice, burned, antishock action of certain drugs in, 663
of ethanol in, 654
Milk, distinguishing human from cow's, rapid test for, based upon difference in their xanthine oxidase content, 354
Mononucleosis, blood and bone marrow in, 1079
Myasthenia gravis, glycocyamine elimination in patients with, 1174

N

Neurosyphilis, intramuscular administration of penicillin in, concentration of, in spinal fluid following, 317
Neurosyphilitic patients with induced vivax malaria of Pacific and Mediterranean origin, liver function tests in, 991
Nisulfadine and nisulfazole, treatment of, ulcerative colitis with, 219
N′-pyridyl-N′-benzyl-N-dimethylethylenediamine (HCl), antagonist of histamine, 749
Nutrition and chemical growth in childhood, 608 (B. Rev.)
Nutritional survey of starvation in group of young men, 721

O

Organic preparations, 260 (B. Rev.)
Oxalate solutions, drying, rapid method for, 717
Oxygen consumption, accuracy in determination of, by Benedict-Roth apparatus, simple method for, 1254
and drug action, 918
tension, lowered, effect of, on sicklemia and sickle cell anemia among military flying personnel, 769

P

Pancreatic function, studies of, 999
Paracolon bacilli and their relation to urinary tract infections, 958
cultures, differentiating from Salmonella, presumptive medium for, 824
Pathology, army institute of, and American registry of pathology, 1051 (Announcement)
of tropical diseases, 379 (B. Rev.)
Study Section National Institute of Health's Research, 1164 (Announcement)
Pectin excretion studies in human being, 30
Penicillin and bacteriophages, conjoined action of, 974
and dicumarol in treatment of subacute bacterial endocarditis, 487
and sulfonamides, effect of on acetylcholine synthesis and on response of muscle to acetylcholine and potassium, 650
beeswax-peanut oil mixtures, maintenance of therapeutic blood concentrations of penicillin for twenty-four hours following single injections of, 313
cellular mechanism of recovery after treatment with, 1279
concentration of, in spinal fluid following intramuscular administration in neurosyphilis, 317
diffusion of, across serous membranes of joint cavities, study of, 535
inability of cysteine to inactivate, in presence of broth and blood, 90
sputum in patients with pneumonococcal pneumonia treated with, bacteriologic studies of, 409
subcutaneous vs. intramuscular administration of, 1165
therapeutic blood concentrations of, maintenance of for twenty-four hours following single injections of penicillin-beeswax-peanut oil mixtures, 313
therapy, intrathecal, secondary bacillus pyocyaneus infection in meningitis following, 1113
treatment of bacterial endocarditis with, 291
Periarteritis nodosa, experimental production of, 939
Permeability alterations in disease, 1170
Phosgene, retained median lethal dose, percentage retention, and respiratory response in unanesthetized, intact rabbits and in unanesthetized, tracheotomized dogs and rabbits exposed to, by the dosimetric method, 1227
Phospholipids of liver and blood studies with radioactive phosphorus, 478
Phosphorus, radioactive, as therapeutic agent, 107
Photoelectric method for determination of cholesterol in urine, 95
of serum calcium, direct, 1262
Photomicrography, short method using negative projection prints, 373
Phthalysulfathiazole and succinylsulfathiazole, activity in vitro of, observations on, 757
Physiologic variables, relation of, to circulation time, 584
Physio-pathologie der Niere, 1164 (B. Rev.)
Placenta, human, permeability of, to isoantibodies, 1020
Plague, treatment of experimental animals with streptomycin, sulfadiazine, and sulfapyrazine, 323
Plasma ascorbic acid in rat, effect of gold chloride on, 333
concentration and tissue distribution of sodium pentothal (sodium ethyl 1-methylbutyl thiobarbiturate), 1344
or serum protein, comparison between values for, as obtained by specific gravity and micro-Kjeldahl methods, 507
protein levels in normal individuals, 285
prothrombin, determination of, improved method for, 703
salicylate level, relation of, to degree of hypoprothrombinemia, 428
Plasmodium vivax, homologous and heterologous strains of, 400
Pneumonia, bacterial, effect of superimposed, on severity of sublethal infection with influenza virus, 463
pneumococcal, sputum in patients with, treated with penicillin, bacteriologic studies of, 409
Pregnancy, serum lysolecithin in, 1223
urine, halogenation of, chromogenic reactions to, 1240
Proctology, ambulatory, 828 (B. Rev.)
Prosthesis, facial and body, 106 (B. Rev.)
Protein, plasma or serum, comparison between values for, as obtained by specific gravity and micro-Kjeldahl methods, 507
requirements of adults, 261
Prothrombin level, effect of synthetic vitamin K and of quinine sulfate on, 79
of blood, action of various drugs on, 468
Psychiatry, everyday, 1050 (B. Rev.)
Pteroylglutamic acid, treatment of macrocytic anemia with, 1186
Pulmonary edema and inflammation, 258 (B. Rev.)
Pyribenzamine, antagonist of histamine, 749
in hay fever and other allergic disorders, 1350
Pyridine silver stain for nervous tissue and reticular fibers, rapid, 1375

Q

Quantitative Kahn tests employing 0.9 and 2.5 per cent salt solution systems, 1378, 1382
Quartan malaria, therapeutic action of thiobismol on, 735
Quinine sulfate, effect of, on prothrombin level, 79

R

Rabbit shock, elimination of, antisheep amboceptor production with, 714
Rabbits, unanesthetized, intact, retained median lethal dose, percentage retention, and respiratory response in, to phosgene by dosimetric method, 1227
Radioactive iron, intravenously injected, for hemoglobin synthesis, utilization of, 1201
phosphorus as therapeutic agent, 107
phospholipids of liver and blood studies with, 478
Rat, alloxan diabetes in, production and course of, 1004
gastric instillation of fluids in, simple and safe method for, 1384
Rats, adrenalectomized, treated with desoxycorticosterone acetate pellets, effect of diet on growth and survival of, 482
experimental, laboratory holder for immobilizing, 369
metabolism cage for small, simply constructed, 700
wild, trap with holder for handling vicious laboratory animals such as, 365
Reflex shortening of esophagus, effect of stimuli originating in upper abdomen in causation of, 457
in experimental animal, 499
Renal functions of glomerular filtration and maximal tubular excretion, or reabsorption, clinical method of determining specific, 453
Respiration of aquatic animals, measurement of, method for, 918
Rh antibodies, demonstration of, in newborn and further evidence of pathogenesis of erythroblastosis, 1053
blood types and Hr factor, application of, in disputed parentage, 575
factor, sensitization of Rh-positive patients by, 793
Rheumatic fever, acute, effect of salicylate on sedimentation rate, fever, and occurrence of valvular heart disease in, 485
Rheumatoid arthritis, serum lysolecithin in, 1223
Richettsiae, cultivation of, in eggs, studies on, 45
Rocky Mountain spotted fever, interpretation of Weil-Felix agglutination test in, 982

S

Salmonella cultures, differentiating from paracolon cultures, presumptive medium for, 824
Schistosomiasis japonica, stool examination for diagnosis of, water centrifugal sedimentation and other methods of, relative efficiency of, 815
Scurvy, severe, clinical and hematologic study, 609
Serum albumin, determination of, by methanol precipitation, applicability of biuret reaction to, 916
anticomplementary, simple method for performing a Wassermann test on, 1037
calcium, determination of, direct photoelectric method for, 1262
lysolecithin in rheumatoid arthritis, pregnancy, and jaundice, and in normal persons, 1223
protein, effect of resuspended erythrocyte transfusion on, 473
syphilitic, preservatives for, with special reference to merthiolate, 1101
thymol turbidity reaction of, quantitative determination of, 910
Shock, traumatic, capillary and venous blood in, observations on, 381
Sicklemia and sickle cell anemia among military flying personnel, effect of lowered oxygen tension on, 769
Skin, atabrine in, distribution of, 742
Sodium bismuth thioglycollate, action of, on therapeutic quartan malaria, 735
estimation of, simplified method for, 1257
ethyl 1-methylbutyl thiobarbiturate, plasma concentration and tissue distribution of, 1344
pentothal, plasma concentration and tissue distribution of, 1344
ricinoleate, fate of, after oral administration to white rats, 763
Spectrophotometric technique for determining optimal concentration of amboceptor, an abbreviated, 1270
Spinal fluid, concentration of penicillin in, following intramuscular administration in neurosyphilis, 317
Spleen, accessory, significance of, 464
Splenectomy, blood constituents before and after, effects of adrenalin and nembutal anesthesia on, 18
Sprue, tropical, conjugated forms of folic acid in treatment of, 1294
Sputum in patients with pneumococcal pneumonia treated with penicillin, bacteriologic studies of, 409
tubercle bacilli in, detection of, 361
Stain, pyridine silver, rapid, for nervous tissue and reticular fibers, 1375
Starvation, nutritional survey of, in group of young men, 721

Steroids and adrenal extracts, methods of assaying, for protective action against toxic material, 1325
Stool examination for diagnosis of schistosomiasis japonica, water centrifugal sedimentation and other methods of, relative efficiency of, 815
Streptococci, beta hemolytic, resistance of, to sulfadiazine, in vitro method for determining, 248
hemolytic, dangerous carriers of, detection of, by measurement of their "streptococcal output," 460
Streptomycin in dog bile, concentration of, 1313
studies on, 514, 523, 1355
sulfadiazine, and sulfapyrazine, treatment of plague with, in experimental animals, 323
Succinylsulfathiazole and phthalylsulfathiazole, activity in vitro of, observations on, 757
Sulfacarboxythiazole, absorption, excretion, toxicity, and therapeutic results in bacillary dysentery and nonspecific diarrhea, 1305
Sulfadiazine, hemolytic streptococcus throat infection controlled by, 544
resistance of beta hemolytic streptococci to, in vitro method for determining, 248
streptomycin, and sulfapyrazine, treatment of plague with, in experimental animals, 323
Sulfapyrazine, sulfadiazine, and streptomycin, treatment of plague with, in experimental animals, 323
Sulfathalidine, clinical, chemical, and bacteriologic evaluation in infectious diseases of colon, 459
Sulfathiadiazole and sulfamethylthiadiazole, absorption and excretion after oral administration, 900
Sulfonamide drugs, toxicity of, studies on, 752
therapy, urea as adjunct to, 444
Sulfonamides, acetylated, formation and excretion of, 65
and dark adaptation, 987
in tungstic acid (Folin-Wu) blood filtrates, determination of, 694
Surgery, industrial and orthopedic, year book of, 498 (B. Rev.)
Syndrome of hyperventilation, 474
Syphilitic serum, preservatives for, with special reference to merthiolate, 1101

T

T waves, abnormal, in patients presenting no evidence of organic heart disease, 837
Test, colorimetric diagnostic, for malaria, 677
methylene blue, for bilirubinuria, 924
two-dose dextrose tolerance, in diagnosis of diabetes mellitus, 1121
Weil-Felix agglutination, interpretation of, in Rocky Mountain spotted fever, 982
Theophylline aminoisobutanol and theophylline ethylenediamine, acute and chronic toxicity studies on, 1337
effect of, in experimental heart failure, 850
in failing experimental heart, 455
on circulation in congestive heart failure, 857
Thiobismol, action of, on therapeutic quartan malaria, 735
Thiouracil, effect of, on leucemia, 470
Throat infection, hemolytic streptococcus, controlled by sulfadiazine, 544
Thymol turbidity reaction of serum, quantitative determination of, 910
Thyroid gland, adenomas of, clinical significance of functional behavior of, 484
Toxicity of sulfonamide drugs, studies on, 752
Traumatic effects of positive intratracheal pressures, 799
shock, capillary and venous blood in, observations on, 381
Trench foot, sequelae of, and their treatment by lumbar sympathectomy, 479
Tridione, new anticonvulsant drug, 1330
Tropical diseases, pathology of, 379 (B. Rev.)
sprue, conjugated forms of folic acid in treatment of, effectiveness of, 1294
treatment of, with folic acid, 227
Tubercle bacilli in sputum, detection of, 361
mammalian, diagnostic culture of, improved procedure for, 1364
Tuberculo-immunity, specific, fundamental information on mechanism of, 346
Tungstic acid (Folin-Wu) blood filtrates, sulfonamides in, determination of, 694
Typhoid pyrogen, purified, therapeutic induction of fever and leucocytosis using, 672
Typhus, endemic, serologic diagnosis of, 550

U

Urea as adjunct to sulfonamide therapy, 444
Urinary cortin, excretion of, effect of infection and trauma on, 481
tract infections, paracolon bacilli and their relation to, 958
Urine, bilirubin in, semiquantitative estimation of, by means of barium-strip modification of Harrison's test, 914
blue fluorescent substance in, 1251
cholesterol in, photoelectric method for determination of, 95

Urine—Cont'd
pepsin-like substance in, quantitative determination of, in normal individuals and of patients with pernicious anemia, 1025
pregnancy, halogenation of, chromogenic reactions to, 1240
small samples of, determining specific gravity of, simple method, 934
urobilinogen, determination of, 1045

V

Virus as organism, 260 (B. Rev.)
Vitamin K, synthetic, effect of, on prothrombin level, 79

W

Wassermann test, simple method for performing, on anticomplementary serum, 1037
Water centrifugal sedimentation and other methods of stool examination for diagnosis of schistosomiasis japonica, relative efficiency of, 815
Weight and weight losses of twenty-four men in Santos Tomas Internment Camp, detailed report on, 1129
Weil-Felix agglutination test, interpretation of, in Rocky Mountain spotted fever, 982

X

Xanthine oxidase content of milk, rapid test for distinguishing human from cow's milk, based upon difference in, 354
Xylidine, hepatic damage produced in dogs by, comparative efficiency of various liver function tests in detecting, 1133

The Journal of Laboratory and Clinical Medicine

EDITOR

CARL V. MOORE, M.D.
Washington University School of Medicine
600 South Kingshighway
St. Louis 10, Mo.

EDITORIAL BOARD

CLIFFORD J. BARBORKA, M.D.
Northwestern University, Chicago

PAUL R. CANNON, M.D.
University of Chicago, Chicago

RUSSELL L. HADEN, M.D.
Cleveland Clinic, Cleveland

GEORGE HERRMANN, M.D.
University of Texas, Galveston

JOHN A. KOLMER, M.D.
Temple University, Philadelphia

W. C. MacCARTY, M.D.
Mayo Clinic, Rochester, Minn.

T. B. MAGATH, M.D.
Mayo Clinic, Rochester, Minn.

EDWARD MUNTWYLER, PH.D.
Long Island College of Medicine, Brooklyn

VICTOR C. MYERS, PH.D.
Western Reserve University, Cleveland

M. H. SOULE, Sc.D.
University of Michigan, Ann Arbor

FREDERICK J. STARE, M.D.
Harvard University, Boston

ARNOLD D. WELCH, PH.D., M.D.
Western Reserve University, Cleveland

VOLUME 31

JANUARY—DECEMBER, 1946

ST. LOUIS
THE C. V. MOSBY CO.
1946

610.5
J86
L12
Copy 2

610.5
J86
L12
v. 31
cop. 2

Copyright, 1946, By The C. V. Mosby Co.
(All rights reserved)

Printed in the
United States of America

Press of
The C. V. Mosby Company
St. Louis

B